Fig. 1

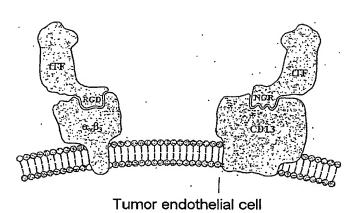


Fig. 2:

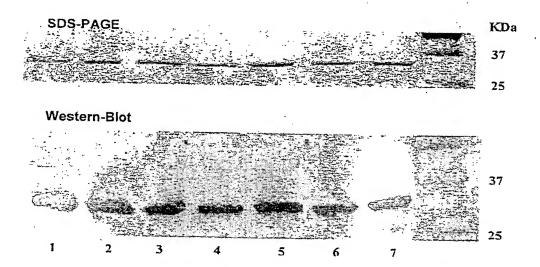


Fig. 3

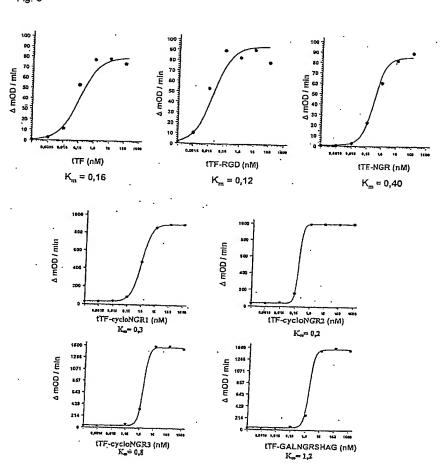


Fig. 4

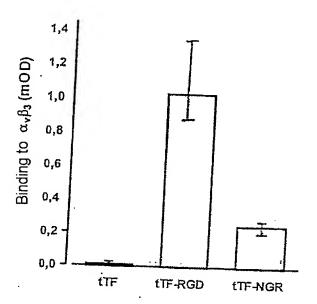


Fig. 5

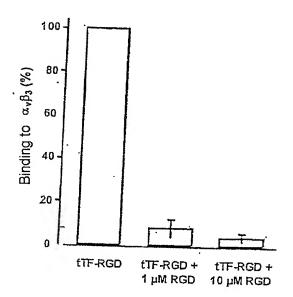
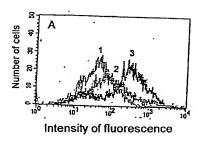
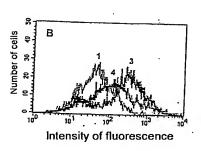


Fig. 6





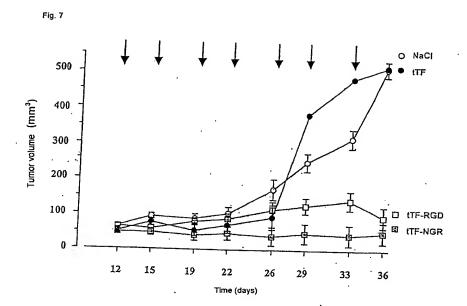
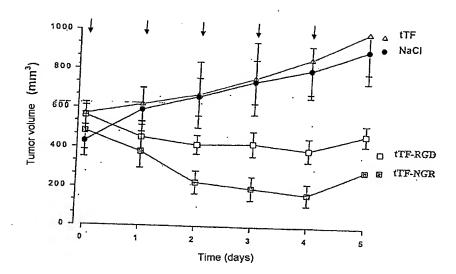


Fig. 8



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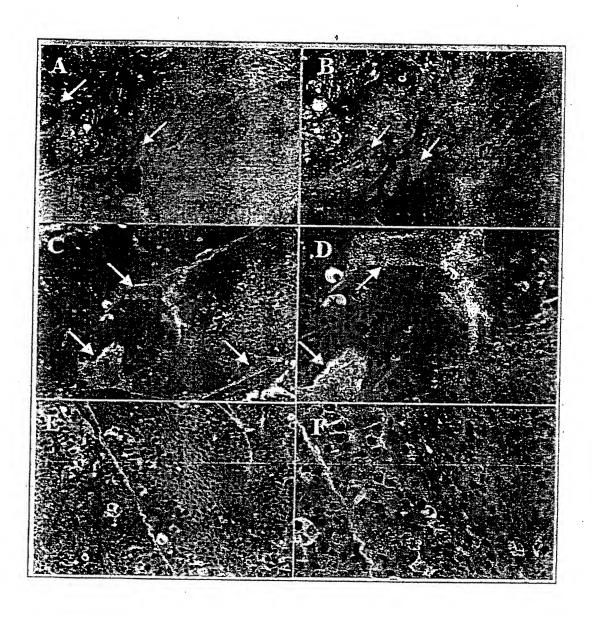


Fig. 11:

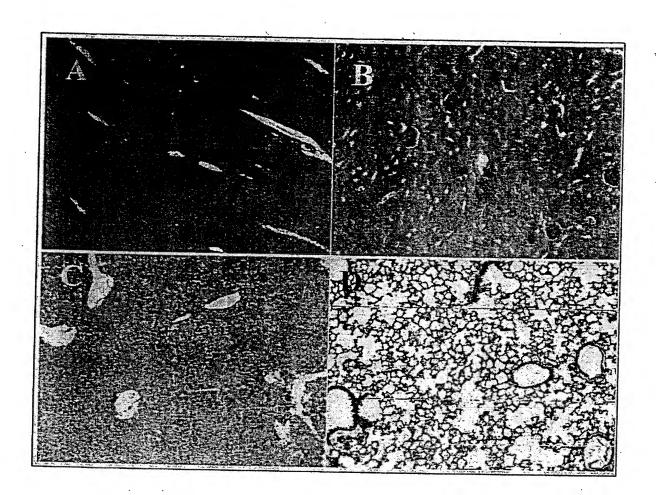


Fig. 12:

SGTTNTVAAYNLTWKSTNFKTILEWEPKPVNQVYTVQISTKS
GDWKSKCFYTTDTECDLTDEIVKDVKQTYLARVFSYPAGNVE
STGSAGEPLYENSPEFTPYLETNLGQPTIQSFEQVGTKVNVT
VEDERTLVRRNNTFL5LRDVFGKDLIYTLYYWKSSSSGKKTA
KTNTNEFLIDVDKGENYCFSVQAVIPSRTVNRKSTDSPVECM
GQEKGEFREIFYIIGAVVFVVIILVIILAISLHKCRKAGVGQSW
KENSPLNVS

Fig. 13:

S.G.TTNTVAAYNLTWKSTNFKTILEWEPKPVNQVYTVQISTKS (
G.D.W.K.S.K.C.F.Y.T.D.T.E.C.D.L.T.D.E.I.V.K.D.V.K.Q.T.Y.L.A.R.V.F.S.Y.P.A.G.N.V.E.
S.T.G.S.A.G.E.P.L.Y.E.N.S.P.E.F.T.P.Y.L.E.T.N.L.G.Q.P.T.I.Q.S.F.E.Q.V.G.T.K.V.N.V.T.V.E.D.E.R.T.L.V.R.R.N.T.F.L.S.L.R.D.V.F.G.K.D.L.Y.T.L.Y.Y.W.K.S.S.S.G.K.K.T.A.K.T.N.T.N.E.F.L.I.D.V.D.K.G.E.N.Y.C.F.S.V.Q.A.V.I.P.S.R.T.V.N.R.K.S.T.D.S.P.V.E.C.M.G.Q.E.K.G.E.F.R.

Fig. 14:

SGTTNTVAAYNLTWKSTNFKTILEWEPKPVNQVYTVQISTKS
GDWKSKCFYTTDTECDLTDEIVKDVKQTYLARVFSYPAGNVE
STGSAGEPLYENSPEFTPYLETNLGQPTIQSFEQVGTKVNVT
VEDERTLVRRNNTFLSLRDVFGKDLIYTLYYWKSSSSGKKTA
KTNTNEFLIDVDKGENYCFSVQAVIPSRTVNRKSTDSPVECM
GQEKGEFRGRGDSD

Fig. 15:

S G T T N T V A A Y N L T W K S T N F K T I L E W E P K P V N Q V Y T V Q I S T K S G D W K S K C F Y T D T E C D L T D E I V K D V K Q T Y L A R V F S Y P A G N V E S T G S A G E P L Y E N S P E F T P Y L E T N L G Q P T I Q S F E Q V G T K V N V T V E D E R T L V R R N N T F L S L R D V F G K D L I Y T L Y Y W K S S S G K K T A K T N T N E F L I D V D K G E N Y C F S V Q A V I P S R T V N R K S T D S P V E C M G Q E K G E F R G N G R A H A

Fig. 16

GTTNTVAAYNLTWKSTNFKTILEWEPKPVNQVYTVQISTKS
DWKSKCFYTTDTECDLTDEIVKDVKQTYLARVFSYPAGNVE
TGSAGEPLYENSPEFTPYLETNLGQPTIQSFEQVGTKVNVT
EDERTLVRRNNTFLSLRDVFGKDLIYTLYYWKSSSSGKKTA
TNTNEFLIDVDKGENYCFSVQAVIPSRTVNRKSTDSPVECM
QEKGEFRGALNGRSHAG

Fig. 17:
SGTTNTVAAYNLTWKSTNFKTILEWEPKPVNQVYTVQISTKS
GDWKSKCFYTTDTECDLTDEIVKDVKQTYLARVFSYPAGNVE
STGSAGEPLYENSPEFTPYLETNLGQPTIQSFEQVGTKVNVT
VEDERTLVRRNNTFLSLRDVFGKDLIYTLYYWKSSSSGKKTA
KTNTNEFLIDVDKGENYCFSVQAVIPSRTVNRKSTDSPVECM
GQEKGEFRGCNGRCG

Fig. 18:

SGTTNTVAAYNLTWKSTNFKTILEWEPKPVNQVYTVQISTKS
GDWKSKCFYTTDTECDLTDEIVKDVKQTYLARVFSYPAGNVE
STGSAGEPLYENSPEFTPYLETNLGQPTIQSFEQVGTKVNVT
STGSAGEPLYENNTFLSLRDVFGKDLIYTLYYWKSSSSGKKTA
VEDERTLVRNNTFLSLRDVFGKDLIYTLYYWKSSSSGKKTA
KTNTNEFLIDVDKGENYCFSVQAVIPSRTVNRKSTDSPVECM
GQEKGEFRGCNGRCVSGCAGRC

Fig. 19:

SGTTNTVAAYNLTWKSTNFKTILEWEPKPVNQVYTVQISTKS GDWKSKCFYTDTECDLTDEIVKDVKQTYLARVFSYPAGNVE STGSAGEPLYENSPEFTPYLETNLGQPTIQSFEQVGTKVNVT VEDERTLVRRNNTFLSLRDVFGKDLIYTLYYWKSSSSGKKTA KTNTNEFLIDVDKGENYCFSVQAVIPSRTVNRKSTDSPVECM GQEKGEFRGCVLNGRMEC

#### Fig. 20:

#### Fig. 22:

#### Fig: 23:

#### Fig. 24:

#### Fig. 25:

Fig. 26:

TCAGGCACTACAAATACTGTGGCAGCATATAATTTAACTTGGAAATCAACTAATTTCAAGACAA TTTTGGAGTGGGAACCCCAAACCCGTCAATCAAGTCTACACTGTTCAAATAAGCACTAAGTCAGGAG ATTGGAAAAGCAAATGCTTTTACACAACAGACACAGAGTGTGACCTCACCGACGAGATTGTGAAG GACTTTAGTCAGAAGGAACAACACTTTCCTAAGCCTCCGGGATGTTTTTTGGCAAGGACTTAATTTAT GATGCGTCTTAAATGGTAGGATGGAATGC

Fig. 27:

- A: 5'-CATGCCATGGGATCAGGCACTACAAATACTGTGGCAGCATATAAT-3'
  B: 5'-CGGGATCCTATTATCTGAXTTCCGCTTTCTCCTGGCCCAT-3'

Fig. 28:

- A: 5'-CATGCCATGGGATCAGGCACTACAAATACTGTGGCAGCATATAAT-3'
- B: 5'-CGGGATCCTATTATGGAGAATCACCTCTTCCTGTGAATTCCCC-3'

Fig. 29:

- A: 5'-CATGCCATGGGATCAGGCACTACAAATACTGTGGCAGCATATAAT-3'
  B: 5'-CGGGATCCTATTATGCATGTGCTCTTCCGTTACCTCTGAATTCCCC-3'

Fig. 30:

- A: 5'-CATGCCATGGGATCAGGCACTACAAATACTGTGGCAGCATATAAT-3'
- B: 5'-OGGGATOCTATTAACCACATCTACCGTTGCAGCCTCTGAATTCCCC-3'

Fig. 31:

A: 5'-CATGCCATGGGATCAGGCACTACAAATACTGTGGCAGCATATAAT-3'
B: 5'-CGGGATCCTATTAACATCGTCCTGCACATCCAGAAACACATCTTCCATTACAACC
TCTGAATTCCCC-3'

Fig. 32:

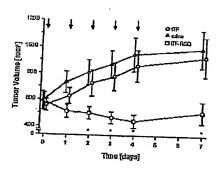
A: 5'-CATGCCATGGGATCAGGCACTACAAATACTGTGGCAGCATATAAT-3'
B: 5'-CGGGATCCTATTA GCA TTC CAT CCT ACC ATT TAA GAC GCA TCC TCTGAATTCCCC-3

Fig. 33:

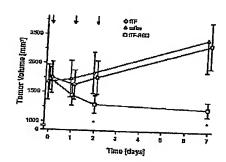
A: 5'-CATGCCATGGGATCAGGCACTACAAATACTGTGGCAGCATATAAT-3'
B: 5'-CGGGATCCTATTA ACCAGCGTGAGATCTTCCATTTAAAGCACCTCTGAATTCCCC-3'

Fig. 34

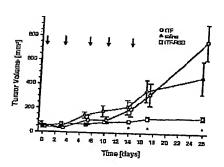
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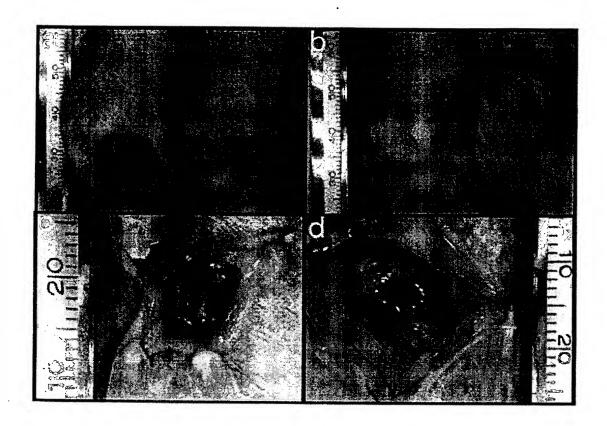


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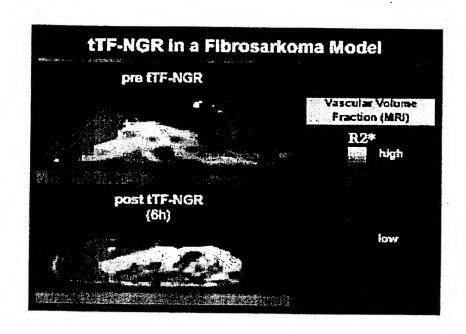


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